BRUHAT BANGALORE MAHANAGARA PALIKE

YELAHANKA ZONE

NAME OF WORK:- Modified Estimate for the Improvements to side Drains in DEO- RESIDENCY Layout in ward No. 7 Byatarayanpura, Kodigehalli sub division

							ESTIMATED COST		3500000.00
Sl No	Description of work	Unit	No	Length	Breadth	Depth	Quantity	Rate in Rs	Amount in Rs
1	KSRB 2-2.1 : Earthwork excavation for foundation of buildings, culverts, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in ordinary soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. after breaking of clods complete as per specifications. specification. No. KBS 2.1(a) / 2.3.5 (P. 5, I.No. 2.3) SR-2014-15						Cum		
	C.DS		1	10.00	2.00	0.90	18.00		
							18.00	176.04	**3169.00**
	Basic Rate	163.00							
	Area Weightage @ 8%	13.04							
	Total	**176.04**							
2	KSRB 4-1.2: Providing and laying in position plain cement concrete of I mix M10 With OPC cement @ 220 Kgs with 40mm and down size graded granite metal coarse aggregates @ 0.892 cum and fine aggregates @ 0.465 cum machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation and plinth, including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (P. 12, I.No. 4.2) SR-2014-15						Cum		
	C.DS		1	10.00	2.00	0.20	4.00		
							4.00	5064.12	**20256.00**
	Basic Rate	4689.00							
		4689.00							
	Area Weightage @ 8%	375.12							
	Total	**5064.12**							
3	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (P 15, I.No 4.28) SR-2014-15						Sqm		
	#REF!		2	8.00	0.30		4.80		
	Side		2	1.80	0.30		1.08		
			4	10.00	1.00		40.00		
							5.88	236.52	**1391.00**
	Basic Rate	219.00							
	Area Weightage @ 8%	17.52							
	Total	**236.52**							
4	KProviding and laying cement concrete using 20mm and down size granite jelly of ready mix concrete for RCC works laid in 15 cm thick layers and well compacted including vibrating curing etc., including smooth finish in CM 1:3, with all lead and lift etc., complete. (exculsive of cost of steel, fabrication and plastering charges)Ready mixed Cement concrete for Beams, Columns, Staircase and Roof with M-20 (1:1.5:3) (Cement-3320Kg/cum) (P. 18, I.No. 4.49.1) SR-2014-15						Cum		
	Top		1	10.00	2.00	0.30	6.00		
	Side		2	10.00	1.10	0.25	5.50		
							11.50	5847.12	**67242.00**
	Basic Rate	5414.00							
		5414.00							
	Area Weightage @ 8%	433.12							
	Total	**5847.12**							

	SRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. (P. 17 I.No. 4.46) SR-2014-15						Ton		
	11.5x120Kg/Cum						**1380.00**		
							1.38	78351.84	**108126.00**
	Basic Rate	72548.00							
	Area Weightage @ 8%	5803.84							
	Total	**78351.84**							
6	KSRRB M500-6. Providing and applying primer coat with bitumen emulsion on prepared surface of granular base including clearing of road surface and spraying primer at the rate of 0.60 kg / sqm using mechanical means complete as per specifications. (P. 157, Item No. 21.6)						**Sqm**		
	A Galaxy Residency Road		1	15	8.50		127.50		
			1	15	7.90		118.50		
			1	15	7.60		114.00		
			1	15	7.60		114.00		
			1	15	7.80		117.00		
			1	15	7.50		112.50		
			1	15	7.90		118.50		
			1	15	8.00		120.00		
			1	15	7.90		118.50		
			1	15	7.90		118.50		
			1	15	7.80		117.00		
			1	15	7.80		117.00		
	B Galaxy Residency Road		1	9.50	4.00		38.00		
			1	15.00	6.50		97.50		
			1	15.00	5.70		85.50		
			1	15.00	5.30		79.50		
			1	15.00	5.30		79.50		
			1	15.00	5.60		84.00		
			1	15.00	5.20		78.00		
			1	15.00	5.20		78.00		
			1	15.00	5.20		78.00		
			1	15.00	5.20		78.00		
			1	15.00	5.90		88.50		
			1	15.00	6.00		90.00		
			1	15.00	2.90		43.50		
			1	15.00	3.90		58.50		
	Jakkur Plantation Road		1	160.00	11.00		1760.00		
							4229.50	35.21	**148912.00**
	Basic Rate Rs.	32.60							
	Add 8% A.W Rs.	2.61							
	Total Rate Rs.	**35.21**							

7	SRRB M500-18. Providing and laying dense Graded bituminous Macadum using crushed agregates of specified grading premixed with VG30grade bituminous binder and transporting the hot mix to work site , laying to the required grade , level and allignment , rolling with smooth wheeled vibratory and tandem rollers to achieve the desired compaction as per morth table 500-10 complete in all respects complete as per specification -do- using 40/60 TPH capacity H.M.P With sensor paver Gr-11 (50mm to 75mm) with 4% VG-30Bitumen pg 159 i.no 21.17.4						**Cum**		
	A Galaxy Residency Road		1	15	0.60	0.05	0.45		
			1	15	0.60	0.05	0.45		
			1	15	0.60	0.05	0.45		
			1	15	0.60	0.05	0.45		
			1	15	0.60	0.05	0.45		
			1	15	0.60	0.05	0.45		
			1	15	0.60	0.05	0.45		
			1	15	0.60	0.05	0.45		
			1	15	0.60	0.05	0.45		
			1	15	0.60	0.05	0.45		
			1	15	0.60	0.05	0.45		
			1	15	0.60	0.05	0.45		
	B Galaxy Residency Road		1	9.50	0.60	0.05	0.29		
			1	15.00	0.60	0.05	0.45		
			1	15.00	0.60	0.05	0.45		
			1	15.00	0.60	0.05	0.45		
			1	15.00	0.60	0.05	0.45		
			1	15.00	0.60	0.05	0.45		
			1	15.00	0.60	0.05	0.45		
			1	15.00	0.60	0.05	0.45		
			1	15.00	0.60	0.05	0.45		
			1	15.00	0.60	0.05	0.45		
			1	15.00	0.60	0.05	0.45		
			1	15.00	0.60	0.05	0.45		
			1	15.00	0.60	0.05	0.45		
			1	15.00	0.60	0.05	0.45		
	Jakkur Plantation Road		1	160.00	11.00	0.05	88.00		
							99.54	9115.20	**907281.00**
	Basic Rate Rs.	8440.00							
	Add 8% A.W Rs.	675.20							
	Total Rate Rs.	**9115.20**							
8	KSSRB M500 10 Providing and applying tack coat using 80/100 grade bitumen (VG10) In boiler fitted with spray set distrubuter at the rate of 0.2 kg per sqm on existing prepared bitumenous surface cleaned with mechanical broom complete as per specification pg no : 158 Item no : 21.10								
	A Galaxy Residency Road		1	15	8.50		127.50		
			1	15	7.90		118.50		
			1	15	7.60		114.00		
			1	15	7.60		114.00		
			1	15	7.80		117.00		

			1	15	7.50		112.50		
			1	15	7.90		118.50		
			1	15	8.00		120.00		
			1	15	7.90		118.50		
			1	15	7.90		118.50		
			1	15	7.80		117.00		
			1	15	7.80		117.00		
	B Galaxy Residency Road		1	9.50	4.00		38.00		
			1	15.00	6.50		97.50		
			1	15.00	5.70		85.50		
			1	15.00	5.30		79.50		
			1	15.00	5.30		79.50		
			1	15.00	5.60		84.00		
			1	15.00	5.20		78.00		
			1	15.00	5.20		78.00		
			1	15.00	5.20		78.00		
			1	15.00	5.20		78.00		
			1	15.00	5.90		88.50		
			1	15.00	6.00		90.00		
			1	15.00	2.90		43.50		
			1	15.00	3.90		58.50		
	Jakkur Plantation Road		1	160.00	11.00		1760.00		
							4229.50	14.59	**61712.00**
	Basic Rate Rs.	13.51							
	Add 8% A.W Rs.	1.08							
	Total Rate Rs.	**14.59**							
9	KSRRB M500-19. Providing and laying bituminous concrete Using crushed agregate of spacifying grading , premixed with bituminious binder and filler , transporting the hot mx to work site , laying with paver finisher to the required grade , level and allignment , rolling with the smooth wheeled vibrator and tandem rollers to archive the desired compaction as per MORTH specification clause no 509 complete in all respects complete as per specification -do- using 40/60 TPH capacity H.M.P with sensor paver Gr - 1 (50mmto 60mm) with 5.5% CRMB 55 (P.161 item no 21.23.3)						**Cum**		
	A Galaxy Residency Road		1	15	8.50	0.04	5.10		
			1	15	7.90	0.04	4.74		
			1	15	7.60	0.04	4.56		
			1	15	7.60	0.04	4.56		
			1	15	7.80	0.04	4.68		
			1	15	7.50	0.04	4.50		
			1	15	7.90	0.04	4.74		
			1	15	8.00	0.04	4.80		
			1	15	7.90	0.04	4.74		
			1	15	7.90	0.04	4.74		
			1	15	7.80	0.04	4.68		
			1	15	7.80	0.04	4.68		

	Galaxy Residency Road		1	9.50	4.00	0.04	1.52		
			1	15.00	6.50	0.04	3.90		
			1	15.00	5.70	0.04	3.42		
			1	15.00	5.30	0.04	3.18		
			1	15.00	5.30	0.04	3.18		
			1	15.00	5.60	0.04	3.36		
			1	15.00	5.20	0.04	3.12		
			1	15.00	5.20	0.04	3.12		
			1	15.00	5.20	0.04	3.12		
			1	15.00	5.20	0.04	3.12		
			1	15.00	5.90	0.04	3.54		
			1	15.00	6.00	0.04	3.60		
			1	15.00	2.90	0.04	1.74		
			1	15.00	3.90	0.04	2.34		
	Jakkur Plantation Road		1	160.00	11.00	0.04	70.40		
							169.18	12139.20	**2053710.00**
	Basic Rate Rs.	11240.00							
	Add 8% A.W Rs.	899.20							
	Total Rate Rs.	**12139.20**							
10	KSRRB M800-13.Road Marking with Hot Applied Thermoplastic Compound with Reflectrising Glass Beads on Bituminous Surface:- Providing and laying of hot applied thermoplastic compound 2.5 mm thick including reflectorising glass beads at 250 gms per sqm area, thickness of 2.5 mm is exclusive of surface applied glass beads as per IRC:35. The finished surface to be level, uniform and free from streaks and holes complete as per specifications. MORTH Specification No. 803 (Page No. 178, Item No. 24.15) SR 2014-15						**Sqm**		
	A Galaxy Residency Road		2	15	0.10		3.00		
			2	15	0.10		3.00		
			2	15	0.10		3.00		
			2	15	0.10		3.00		
			2	15	0.10		3.00		
			2	15	0.10		3.00		
			2	15	0.10		3.00		
			2	15	0.10		3.00		
			2	15	0.10		3.00		
			2	15	0.10		3.00		
			2	15	0.10		3.00		
			2	15	0.10		3.00		
	B Galaxy Residency Road		2	9.50	0.10		1.90		
			2	15.00	0.10		3.00		
			2	15.00	0.10		3.00		
			2	15.00	0.10		3.00		
			2	15.00	0.10		3.00		
			2	15.00	0.10		3.00		
			2	15.00	0.10		3.00		
			2	15.00	0.10		3.00		

			2	15.00	0.10		3.00		
			2	15.00	0.10		3.00		
			2	15.00	0.10		3.00		
			2	15.00	0.10		3.00		
			2	15.00	0.10		3.00		
			2	15.00	0.10		3.00		
	Jakkur Plantation Road		2	160.00	0.10		32.00		
							108.90	475.20	**51749.00**
	Basic Rate Rs.	440.00							
	Add 8% A.W Rs.	35.20							
	Total Rate Rs.	**475.20**							
									3423548.00
11	Third party inspection charges 1%								**34235.00**
12	Miscelleneous & Rounding off								42217.00
							Toatl Rs.		**3500000.00**
	(Rupees:- Thirty Five Lakhs Only)								

CERTIFICATE:

1 The work spot has been inspected me and the work is found to be necessary.
2 The estimate is prepared as per PW, P&IWTD S.R Bangalore circle for the year 2014-2015.
3 The Provisions made in the estimate are quite necessary and adequate.
4 The area comes with in the BBMP limits.

Junior Engineer
Ward No. 07

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP

"Modified Estimate Sanctioned"

Superintending Engineer
Yelahanka Zone
BBMP Bangalore

Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara
Bangalore 92